Cultivating forn. I notice in your journal for June 26

is the best for corn. I do not wish to be dogmatic in any respect, but may I make a plain statement of experience? Three years ago I had a small "natch" planted to corn, on ground so nfested with quackgrass that the enare in Iowa,—lowa State Register. furrow was a felted mass of roots, felted almost as compactly as an old hat It required longer to harrow up enough dirt to mark rows in than it did to plow the piece. The spring was wet with us, and the quack came up quicker and grew faster than the corn. At the first cultivation I had to have the horse led through the rows, as the quack was so much higher than the sorn as to hide it from all view of the man behind the horse hoe. After going twice in each row, back and forthand the same crosswise-it was barely possible to scrape up enough dirt with he hoe to dress the hills. In three days after the task was completed the field needed hoeing again. It got another hoeing, and again it was necessary to go twice in each row and set the cultivator as deep as possible, in order to worry and shake enough dirt

out of the quack roots to fill the hoe.

I was taught, of old, that corn roots

spread widely and were injured by deep and rough cultivation-must be treated tenderly and with shallow cratching. But in this particular case a condition confronted me, not a theory. If I didn't kill the quack, the quack would kill the corn. And the only way to kill the quack was to keep tearing it up from the bottom, or as near the bottom as I could get, So I kept at what I rather forlornly considered "destructive cultivation." as deep as I could force the narrowest borse-hoe teeth, and as close to the corn hills as I could come with safety, Seven times I went over that patch in this way, first tearing up the ground between the rows as deeply as I could, north and south, and east and west. with the horse hoe, and then following it with the hand hoe to chop off or cover up what quack the cultivator left, and to straighten up the very nuperous hills of corn that were overset or half torn out. It was the deepest and harshest cultivation I ever gave my corn crop I ever tried to raise. It began deep and harsh when the corn was not over two inches high; it conflaued deep and harsh till the corn was beginning to tassel. And the crop was the largest, in point of shelled corn and stover, that I ever raised from a patch of similar size. Let me add that, while the spring was wet, the mmer was one of the hottest and dryest that could be asked for .- A. P.

Hitchcock, in Orange Judd Farmer. l'chorning talves.

consider that the question of deraing is settled in favor of no horns. and believe the proper time to do the ob is when the calf is less than a week I use caustle potash, which is to remove the horn.

nd when a ealf is dropped and is a ew days old clip the hair close around ped, then take a piece of the causwrap the piece removed with loth or leather, or use gloves to prot your fingers, hold the calf's head the caustic in his eyes, and after tening the caustic rub the buttons ith it until the tough skin is eaten say and rubbed off and the blood bea come. Change from one side the other frequently and keep the stic moist by dipping it in water oconally. Apply over a place not er than a five-cent piece and be the horny button is eaten away you will never see a horn again and the poll will be perfect. This ss will take five or six minutes must be thoroughly done to avoid

give this detailed statement of my od because I frequently hear those have tried this say it is a failure. ughness is the key to success .-

Plant Trees. American Agriculturist recently sed a picture of a farmer's home ansylvania. The editor called it Beautiful Farm Home," but the was mistaken. No farm house is iful" which has not trees about ad the picture showed but one bare and that was out near the barn. is it that farmers will let year year pass without putting out o beautify their homes? It is mmon sight to see farmers' set down in the corner of a field so much as a bush near them. and village people are often just exligent, but there is less excuse the farmer than for them, for the usually has the young trees at hand, and could put them out would only do it. If the farmers s country would line their lanes badways with native trees, and nd their houses with them, there be less urgent demand for narest reservations.—Farm News.

A Sample Dairy Cow.

Texas Experiment Farm they cow, "Yentje Netherland," hight to be a Holstein cow the name, which has given 707.5 of milk in seven consecutive r more than 100 pounds of milk In thirty days she gave 2,959% of milk, or nearly 100 pounds a thirty consecutive days, When nk of 100 pounds you have an arkable cow. Another way to of it is to think of four big buckone day made four pounds and osage orange hedge. one-half ounces of butter, cono per cent. of butter fat. Of this is an exceptional animal. do not show their love.

THE FARM AND HOME and it is fed on exceptional food, that is, food which stimulates milk production. The instance is an ideal one rather than a practical one. It may be used as an illustration, but hardly as something to be worked for by the average carry farmer. The importance of a single argument left to support their a rather dogmatle reassertion of the eld statement that shallow cultivation

Co-operative Ice.

farming community where ice-cutting natural, factor in enhancing values, privileges exist, will secure an abund ant supply of ice for all purposes for the entire section or neighborhoos. In some localities it is customary to do the threshing in turn, all participating in the use of the threshing machines and power, as only very extensive farmers find it profitable to have an outlit for their own exclusive use.

In a similar manner the benefits of a cold storage may be obtained. The houses may be owned by Individuals, or by a few families who may be living near enough together to conveniently use them in common. The tools prising young men, who can fill a number of houses yearly by contract; or the appliances may be joint property of all those having cold-storage houses, who may combine to secure them, and also combine their labor in securing the ice crop. This work is done when interfered with.

The practical advantages of this plan readily presents themselves. An outfit of tools necessary to harvest one hundred tons of ice can just as well harvest ten or fifteen times the quantity and to better advantage, But, allowing that the labor in getting out one hundred tons of ice is the same per ton that it is for one thousand tons, the cost of the tools per ton of ice harvested is only one-tenth as much in the latter case. The tools are durable and will ley, 81c per bushel.

Regarding the cost of ice when stow- \$3.65; superfine, \$2.25 per barrel. ed in place in the ice chamber, it would be difficult to quote an amount which gray, 37@39c per bushel, would cover all cases. Locality and tact have much to do with determining brewing, \$18@19 per ton. the cost. Ice twelve or sixteen inches thick, cut in small quantities and plac-middlings, \$21; shorts, \$15.50. ed in the ice chamber, would cost, on per ton. Where cut on a large scale 11; do oat, \$11; Oregon wild hay, \$9 € the cost for labor in cutting and stow- 10 per ton. ing would be less than half this amount. Farmers can ill afford to do without this necessary article.-New fair to good, 30c; dairy, 25@30c per England Farmer.

Farm Notes.

It is not necessary to feed geese, pound. ducks or turkeys during the warm seaplentiful, and the fowls can secure turkeys, live, 10@11c per pound. more food than they can consume.

effective than lunar caustic. I keep in view the fact that for fungus are tried the latter and failed entire. diseases the Bordeaux mixture should be used, and for insects that gnaw use yellow, \$1.50 per cental. Buy 5 cents' worth of caustic potash paris green or London purple. Keroand keep rightly corked in a dry place sene emulsion is applied to destroy insects that suck juices. It is important to use the proper remedy for the pur-

slittle button where the horn is de- pose, or the labor may be wasted. The time to market an animal is from the bottle (recork at once or it when it is ready. To keep it in order to I dissolve from the moisture of the add a little more weight may be expensive. More fat can be put on an animal in summer than in the winter season, and in proportion to cost it can be ly so that he will not cause you to done at less expense. The greatest gain is from young stock, because of rapid growth, but old animals take on fat more readily, and manure from them is more valuable than from grow

ing stock. Much of the baled hay that comes to market is musty. Most farmers, when they bale hay, think it need not be very dry, as the bales are small. But the amount of hay packed in them is always sufficient to get up a violent ferment unless the hay is properly dried before it is put into the bale. there were more care used in baling hay the price for it would be much better than it is, as the hay itself would be

Sometimes we see trees which dry up the grass under them, while in the same neighborhood will be trees under which the grass will grow greener than where it is not thus shaded. An orchard that has long been plowed deep 4@5c; salmon trout, 7@10c; flounders has most of its feeding roots below those of the grass. On the other hand, under the trees where grass has grown the true feeding roots come near the surface, and when a dry time comes the grass under it lacks moisture and

is very soon killed. Every boy on the farm should be given a young animal to raise for himself, he to attend to it and be induced to take farming, and will be more reconciled \$7@8.50 clover, \$7.50@9. to farm life when he is grown. The boy who leaves the furm for the city California bran, \$14@15 per ton. is the one who has never had any opportunities and looks upon farming as drudgery. Labor becomes a pleasure silverskin, 85@95e per cental. when there is something to strive for, and the early education of the boy on small box; do large box, 40@65c Royal the farm should be by glying him an apricots, 20@35c common cherries, interest in something. All children love young stock and pet them.

The only objection to a well-kept hedge is that it takes quite a space of the land which the roots occupy. Cultivation may be done close to the hedge, however, and weeds prevented, Hedges serve as windbreaks, and, if properly trimmed, are better than fences. Osage orange requires labor every year, but it cannot be surpassed for protecting sheep from dogs if it is in good order. Ordinary fences of wire the amount of milk given by or boards are costly in some localities. and require frequent repairs. Sheep will go through barbed wire fences, unof three gallons each, and a less the wires are very close, but no on over. Made into butter the flock will attempt to get through a good

Shakspeare: They do not love that

WEEKLY MARKET LETTER.

Downing, Hopkins & Company's Review of Trade.

good cows to make good milk, however views, viz: The admitted fact that the all apparent. Recently the State wheat crop of this country will be at of Minnesota took the first prize as to least 100,000,000 bushels larger than butter. Minnesota, hard as it is it that of last year. The current news say, has made more progress in the during the week has been extremely dairy business than has lown. The bullish and developments have materifarmers there have been longer in the ally strengthened the position of specbusiness of special dairy farming. It mulative buyers. Probably the most im-Iowa it has not been made a special portant annoncement was Beerbobm's business except in a few counties estimate placing the European shortage prominent among which are those of compared with last year at 224,000,000 Northeastern Iown. The Minnesota bushels. This has been emphasized farmers have succeeded better, it may and confirmed by the active cash debe, because they have greater difficu; mand and enormous sales for export. tles to overcome, the land and the cli. An additional aid in enhancing values mate both being more harsh than they has been furnished by the farmers stacking their wheat at a greater extent than usual. Should the coal miners' strike continue a fortnight longer A little organized co-operation in any it will prove a powerful, although unand in all probability result in a more serious congestion of the market for September delivery than has prevailed for July con racts. The promise of an abundant wheat crop in America, the absence of competition in supplying the requirements of importing countries, and the consequent increased export demand for American wheat, all tend to benefit the American farmer. Wheat will prove a profitable purchase

The American visible this week shows and outfits for cutting and handling totals 17,650,000 bushels against 46,a decrease of 164,000 bushels, and now 429,000 a year ago. There is much to be said regarding both sides of the corn market, but after all is said it is still a fact that values are extremely low-due to panic and overproduction. The growing erop is not yet assured, and with the enhancing values ruling for the ordinary duties of the farm are the increasing activity in general trade, corn must participate to a greater or less extent in the general improvements, according as the crop promise to be above or below that of last year. In any event, present values promise to be well maintained, and there is little if any inducement for speculative short selling. Should the growing crop meet with any mishap much higher values will quickly obtain.

> Portland Markets. Wheat-Walla Walla, 78c; Val-

Flour-Best grades, \$4.15; graham,

Outs-Choice white, 38@40c; choice

Millstuffs-Bran, \$14 Hay-Timothy, \$12@13; clover, an average, for labor about 50 cents \$10@11; California wheat, \$10@

Eggs-12@12 %c per dozen.

Cheese - Oregon, 11 1/9e; Young

America, 12 12c; California, 9@10c per Poultry-Chickens, mixed, \$3.00@ range. Insects, grass and seeds are geese, \$3@4; ducks, \$2.50@3 per dozen;

Hops-10@111gc per pound for new crop; 1896 crop, 4@6c, Eastern Oregon, 7@9c; mohair, 20c at the present time.

per pound. and ewes, 214@21gc; dressed mutton, 456c; spring lambs, 536 per pound.

and feeders, \$2.50@3; dressed, \$3@ 4.25 per 100 pounds.

Seattle Markets.

Butter-Fancy native creamery, brick, 18c; ranch, 10 of 12c. Cheese-Native Washington, 10@ 11c; California, 95c.

Eggs-Fresh ranch, 18@19c. Poultry-Chickens, live, per pound, hens, 10 m 11c; spring chickens, \$2 @3.50; ducks, \$2.50@3.75.

Wheat-Feed wheat, \$28 per ton. Oats-Choice, per ton, \$23.

Corn-Whole, \$22; cracked, per ton, \$22; feed meal, \$22 per ton. Barley-Rolled or ground, per ton, \$22: whole, \$21.

Fresh Meats-Choice dressed beef, steers, 6c; cows, 5 %c; mutton sheep 6c; pork, 6 lec; yeal, small, 6, Fresh Fish-Halibut, 4 190; salmon,

and sole, 8@4; ling cod, 4@5; rock

San Francisco Markets. Wool-Choice foothill, 9@12c; San Joaquin, 6 months' S@ 10c; do year's staple, 7@9e; mountain, 11@13c; Ore-

gon, 10@13c per pound. Hops-7@9e per pound. Hay-Wheat, \$12 @ 15; wheat and oat, an interest in its progress. He will thus \$11@14; oat, \$10@12; river barley, early become fond of animals and of \$7@8; best barley, \$9@12; alfalfa,

> Millstuffs - Middlings, \$18.50@22; Potatoes-New, in boxes, 40 @ 60e. Onlons-New red, 70@ 80c; do new

Fresh fruit-Apples, 20@30c per 15@25c; Royal Anne cherries, 25@40c chest; peaches, 25@40c; pears, 20@ 40c; cherry plums, 20 a 30c per box. Cheese-Fancy mild, new, Sc; fair

to good, 75ge per pound. Butter-Fancy creamery, 22 of 23c; do seconds, 20@21c; fancy dairy, 19@ 20c; good to choice, 16 of 18c per pound. Eggs-Store, 11 16 @ 14c; ranch, 16@ 20c; Eastern, 12 ot 14; duck, 14c per

Citrus fruit-Navel oranges, \$1 @2; seedlings, 75c@\$1.25; Mexican mes, \$4.50@5.50; common lemons,

Electrically welded steel barrels are being made in England. They are used to hold lubricating and lighting oils and acetone, which is an element in the manufacture of cordite.

LIFE AT SKAGUAY

thr Trail Already Blocked and More Men and Horses Coming.

Post-Intelligencer from Mount Vernon A number of letters were received here today from Mount Vernon people who left Seattle on the steamer Queen for the Yukon, tellling of life at Skag-uay. In a letter to E. W. Ferris, dated

Skagnay, August 13, ex-City Marshal Bowan says: We got here on the 26th of July. I am camped here for the winter. The rest of the men are about four and a half miles from here, packing their outfits. They had them hauled for three miles at one cent a pound. They have been four days in making one mi.e, and it is about 36 miles from where they are to the lakes. It is impossible for them to make it. It is raining all the time. They boys are discouraged, and I feel sorry for them, as they cannot get to the summit before

"There are about 400 horses and 700 body to pack for you. They are offering \$30 per 100 pounds to pack over to the lakes. There were 105 head of horses, which came over on the Islander, 10 days. I get about three miles from here, and I came back as soon as I found to pack on. I counted 107 tents here last night, and they average from two to six men to the tent. There were lots of them that sold out on the Islander, and went back. Outfits that cost \$150 are selling all the way from \$30 to \$100 each. They are offering 30 cents a pound for packing 31 4 miles. An Indian was killed at Dyea this morning for stealing. The inspector nett, and it will cost each man about \$50 to pass. Two-horse teams are making from \$60 to \$100 a day."

A LETTER FROM DAWSON.

The Camp Well Supplied With Provisions at the Present Time.

Tacoma, Aug. 13 .- B. L. Laughlin equipment. writes from Dawson, Alaska, under date of June 15:

"Five-hundred-foot claims on two creeks are selling at prices ranging from about 150 claims that are good on these was the originator of "PITCHER'S CASTORIA, Barley-Feed barley, \$16@16.50; two creeks. An acquaintance hought a the same that has borne and does now bear the so much time, for he paid the last the day we arrived. He has 480 feet of ground left, and a surplus of \$15,000. The pay streak is from 40 to 80 feet wide, and the pay is in and on the bed-Butter-Fancy creamery, 35@40e; rock. These are drift diggings, and have to be worked in the winter time.

The ground is from 15 to 35 feet deep, "Times will be quiet here until son if they have the privilege of a 3.50 per dozen; broilers, \$1.50 @ 2.75; worth \$130 per 1,000, and scarce at Potatoes.-Oregon Burbanks, 35@ output is about \$2.500,000 to date, and the world. When spraying the trees and vines 45c per sack; new potatoes, 50c per will probably be \$25,000,000 or \$30,seep in view the fact that for fungus sack; sweets, \$1.90@2.25 per cental. 000,000 next year. The companies 000,000 next year. Onions-California, new, red. \$1.25; think they can supply sufficient food for the winter. There will be about 1,100 people come from the outside this year, and I expect as many thousand, or Wool-Valley, 11@13c per pound; more, next year. The weather is nice

"The Circle City camp is about de-Mutton-Gross, best sheep, wethers serted, and the claim owners are offer-

ing \$12.50 per day and board, Logs—Gross, choice heavy, \$4; light visions at the present time. Flour is case of desfress (caused by catarrh) that cannot defeders, \$2.50@3; dressed, \$3@ worth \$12 a hundred, bacon 50 and 60 be cured by Hall's Catarrh Cure. Send for circulars, free. "The camp is well supplied with pro- 16 cents a pound, beans 125g cents, coffee Beef-Gross, top steers, \$2.75@3; 75 cents, milk 50 cents per per can, cows \$2.25; dressed beef, 4@5%c per table fruit 75 cents per can, shovels \$3 each. If any one should want to come Veal-Large, 3@33c; small, 43g here this summer or fall I would advise trols the rudder by pneumatic pressure, Yukon. In early spring, they should come by the land and water route."

THE WHEAT SHORTAGE.

Europe Will Draw Heavily on the United States.

London, Aug. 13 .- The Times, in its financial article today, says: "It is estimated by persons in a position to form an opinion that at least 12 per cent more wheat than is usually needed by Europe will be wanted this year. Owing to short Russian, French and Austor-Hungarian crops, the United States will be the only country able to meet this extra demand."

Chicago Wheat Goes Up.

Chicago, Aug. 13 .-- September wheat advanced 3 cents today, and closed strong at 81 be cents, the highest point touched by September wheat since 1891. Crop news from the Northwest, and the decline in condition shown by the government crop report were the chief fac

Dynamite Explosion in a Mine. St. Louis, Aug. 13 .- W. H. Mad- seems ready to dern and Taylor Dodson were killed to- burst, and the day by an explosion of dynamite in a faint feeling lead mine near Bonne Terre, Mo, Twe others were seriously injured.

Good Catch of Sea Otters,

San Fraffeisco, Aug. 12.-A private etter from Captain Smaling, of the schooper Theresa, now in Behring sea, gives news of the catch of the sea otter hunters up to July 8. The best of luck has followed the men, as the four schooners heard from had killed 63 per box; currents, \$1.00@1.50 per otters, the skins of which are worth from \$30,000 to \$40,000.

> There are only about 1,000 Germans in the whole of Mexico.

Proposed Tax on Preachers.

Fort Scott, Kan., Aug. 13,-A local newspaper announces that the councilmen are insisting that an occupation tax be assessed against the ministers of the town as a means of raising revenne to make up the deficiency occasioned by the closing of the saloons. The comeil is wrestling with an occupation tax, and some of the members refuse to support the measure unless it shall include ministers

Chicago has a penny savings bank for school children, inaugurated by the Civio

Passengers are to have .- ration. to board and leave trains which andre motion at the Paris expositein of 1900 by means of a new system devised by Seattle, Aug. 13.-A special to the

a French civil engineer The idea was suggested by the moving sidewalk at the world's fair. The outer circumference of a circular platform is to travel at the same rate as the passing train. There will be no danger upon entering the platform from a staircase in the center, where the speed is comparatively low. In advancing toward the edge the increase is gradual, and anticipated. The station attendant overlooks the entire platform from a tower in the center, and should there be a heavy crowd he causes the train, by means of switches, to run around the station, allowing ample time to discharge and take on all passengers. It is proposed to work trains and platforms at a speed of 71, miles an hour-

Corn as Fuel.

A bulletin issued by the experimental. station of the university of Nebraska, giving results of tests of the value of corn as fuel, shows that the burning men on the trail. You can't get any- of corn may be a proceeding greatly to the farmer's benefit when the price of corn is low and that of coal high. The tests showed that one pound of screened Wyoming coal, costing \$6.65 per ton, and they will block the trail in the next evaporated 1.9 times as much water in a steam boiler as could be evaporated by one pound of good grade of vellow dent I could not make it. There are lots of corn on the car, not thoroughly dry, on all reactions and the general tends men camped here waiting for snow. I The following figures show the value on all reactions and the general tend-ency is toward a still higher range of am taking it easy, and working for of corn per bushel as fuel when coal of values. February. This is the greatest excite- tests is selling at the prices given: ment I ever saw, men packing in the Coal, per ton, \$4.87, \$5.41, \$5.95, rain in all the rigs a man can think of \$6.40, \$7.11, \$7.57, \$8.11;; corn, per to pack with. One man has a bicycle bushel, 9c, 10c, 11c, 12c, 13c, 14c, 15c.

AN ABOMINABLE LEGACY.

A tendency to rhenmatism is undoubtedly inherited. Unlike many other legacies, it remains in the family. The most effectual means of checking this tendency or of removing inclinent rhenmatism, whether precedenting in the blood or not, is to resort to Hostefter's Stomach Bitters as seen as the premenitory twinges are left. Nullifying the influences of cold, exposure and fatigue, the litters not only fortifies the system against their hurini consequences, but subjugates malaria, liver and sequences, but subjugates malaria, liver and and mounted police are at Lake Ben- kidney complaint, dyspepsia and nerve dis-

The Illinois Central railway is about to experiment with electricity as a motive power, with a view to its adoption on all the suburban lines of Chicago, It is said that both the third-rail and trolley systems will be tried exhaustively before a decision is come to an

AN OPEN LETTER TO MOTHERS. We are asserting in the courts our right to the exclusive use of the word "CASTORIA," and "PITCHER'S CASTORIA," as our Trade Mark.

\$10,000 to \$150,000 each. There are I. Dr. Samuel Pitcher, of Hyannis, Massachusetts. claim in February for \$45,000 on the fac simile signature of CHAS. H. FLETCHER on installment plan, and was to make the every wrapper. This is the original "PITCHER'S last payment July 1, but did not need CASTORIA" which has been used in the homes of the mothers of America for over thirty years. Look Carefully at the wrapper and see that it is the kind you have always longht, and has the signature of CHAS. H. FLETCHER on the wrapper. No one has authority from me to use my name except The Centaur Company of which Chas. H. Fletcher is President. March 8, 1847. SAMUEL PITCHER, M.D.

New York's first public convenience about October 1, when there will be station will be an elaborate underground work for 4,000 or 5,000 men. There is affair. It will cost \$25,000, and will a small sawmill here, and lumber is be built under Mail street and the Broads way side of City Hall Park, It will be that. The camp was not struck until finished in marble, and when completed August, and it is estimated that the will be the finest thing of the kind in

by local applications, as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by an inflamed condition of the muceus liming of the flustachian tube. When this tube gets inflamed you have a runbling sound or imperfect hearing, and when it is entirely closed deafness as the result, and onless the inflammation can be taken out and this tube restored to its normal condition, hearing will be desirelyed forever; nine cases out of ien are caused by extarrh, which is nothing but an inflamed condition of the mucous surfaces. we mucous surfaces. We will give One Hundred Dollars for any

F. J. CHENEY & CO., Toledo, O. Bold by druggists, 75c.
Hall's Family Pills are the best.

A new steering device for ships conthem to come by the mouth of the the air being forced into a cylinder on either side of the rudder post by means of the steering wheel in the pilot

> My doctor said I would die, but Piso's Cure for Consumption cured me, An Keiner, Cherry Valley, Ill., Nov. 23, '96.

A bereaved widower in St. Joseph, Mo., took unto himself a second wife before his first spause was buried. The body of No. 1 had been temporarily placed in a receiving vault.

In every mile of railway there are seven feet and four inches that are not govered by the rails—the space left between them for expansion.

## THE TURN OF LIFE.

Owing to modern methods of living, not one woman in a thousand approaches this perfectly natural change without experiencing a train of very annoying and sometimes painful symp-

Those dreadful hot flashes, sending the blood surging to the heart until it



nervous trouble. The nerves are cry ing out for assistance. The cryshould be heeded in time, Lydia E. Pinkham's Vegetable Compound was prepared to meet the needs of woman's system at this trying period of her life. MRS. DELLA WATSON, 524 West 5th St., Cincinnati, Ohio, says:

"I have been using Lydia E. Pinkham's Vegetable Compound for some time during the change of life and it has been a saviour of life unto me. I can cheerfully recommend it to all women, and I know it will give permanent relief. I would be glad to relate my experience to any sufferer."

Bost Cough Syrup, Tastes Good, Use in time, Bold by druppists.

\$10000

Who will get it?

Schilling's Best tea is not only pure but it is---- because it is fresh-roasted.

What is the missing word?

Get Schilling's Best tea at your grocer's; take out the Yellow Tick's (there is one in every package); send it with your guess to address below

One word allowed for every yellow ticket.

If only one person finds the word, he gets one thousand dollars. It several find it, the money will be divided equally among them.

Every one sending a yellow ticket will get a set of cardboard creeping babies at the end of the contest Those sending three or more in one envelope will receive a charming 1898 calendar, no advertisement on it.

Besides this thousand dollars, we will pay \$150 each to the two persons who send in the largest number of yellow tickets in one envelope between June 15 and the end of the contest-August 31st.

Cut this out. You won't see it again for two weeks.

Address: SCHILLING'S BEST TEA SAN FRANCISCO.



Hercules Special (216 actual horsepower)

Price, only \$185.

Hercules Gas Engine Works

**PROFIT** 

Bay St., San Francisco, Cal.

Send for illustrated catalog.

A New Fuel.

In the future we may be importing

masut instead of exporting coal. Masnt is a by-product in the distillation of raw petroleum It is also manufactured from a cheap, brown coal found in Saxony. There has been, until recently, great trouble in finding a furnace suitable for burning it. It is now blown by steam into a special furnace, on the principle of the Lucigen light, and used without difficulty. It is 40 or 50 per cent cheaper than coal, and is 20 per cent better as a heat raiser. Steam can be got up quicker and kept are and ore work be done by the machinery. From a naval point of view these are vitally important facts. No sign of a ship under full steam will be shown in the sky, for masut is a smokeless fuel. Russia and Italy are using it in their navies, and Germany has lately made some valuable experiments. At Kiel, Wilhelmshaven and Danzig are tanks from which it can be pumped into ships. Its specific gravity being so much less than that of coal, a ship's buoyancy is greatly increased when the bunkers are filled with it. Heavier armor or cargoes can be carried. The heating capacity being greater, the ship can travel faster or farther. It is yet to be learned what

improvements the Germans have introduced into their furnaces, and what are the disadvantages of masut. The Water Hyacinth Doomed The water byscinth, which was imperted into Florida from Venezuela some years ago and was seriously im-

pending navigation in the St. Johns river, is being killed by a small red apider. This spider is said to be also an importation from Venezuela and is known as a deadly enemy to water growth of this character. At Palatka thousands of acres of water front were covered with this thick acquatic vegetation and the situation was becoming so serious that a state commissioner had been appointed to officially report upon means for its destruction, now believed that the red spider will clear the river of the nuisance in one or two years.

Our senses do not fall asleep simultaneously. The evelids are first affect ed and shut out slight; next follows the ense of taste, then smelling, hearing and touch, the last-named being the lightest sleeper and most easily

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